

ABSTRACT

A system and method for applying a material for improving the adhesion between the surface of thermoplastic polyolefin (TPO) elements and a coating applied thereto is disclosed. The system comprises the mixing of an adhesion promoter with de-ionized water and applying it to the surface of the TPO elements to be coated. Preferably, the application occurs in an atmospherically controlled enclosure. The application of the adhesion promoter is preferably accomplished by distributing the mixture over the TPO elements through a series of nozzles. Multiple parameters of the application system may be monitored and regulated. Upon completion of the application process, the treated TPO elements are preferably dried in an oven, leaving a thin layer of adhesion promoter over the surface thereof.